

MARINE ECOLOGY

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Inter-Research

1992

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- draw attention to new facts, concepts and methods

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Responses to environmental factors

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Nitrogen metabolism of phytoplankton

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Physiological ecology of algae

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Physiological ecology of phytoplankton

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des Castellans, MC-98000 Monaco
Environmental effects on invertebrates

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Environmental effects on fishes (incl. deep
sea)

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Sciences, Vladivostok 690032, USSR
Environmental effects on invertebrates; re-
production, development

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Danish Institute for Fisheries and Marine
Res., Charlottenlund Castle, DK-2920 Char-
lottenlund, Denmark
Physiological ecology of zooplankton, inclu-
ding fishes (esp. larvae)

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Physiological ecology of invertebrates

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US Dept of the Interior, Geological Survey,
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Geochemical and biological factors affecting
biogeochemical processes in invertebrates; con-
taminant effects on bioavailability

McLusky, D. S., Dr

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Physiological ecology of invertebrates

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Institut für Meereskunde, Düsternbrooker
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Environmental effects on benthic microor-
ganisms, benthic microbial ecology

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Baton Rouge, LA 70803, USA
Physiological ecology of microorganisms

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Marine microbiology

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Physiological ecology of phytoplankton; pri-
mary production; benthic algae

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ternbrooker Weg 20, W-2300 Kiel, Germany
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Environmental effects on invertebrates; bio-
energetics of suspension feeders

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Experimental ecology; chemical ecology

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Plymouth PL1 2PB, England
Environmental effects on invertebrates

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bia, SC 29208, USA
Physiological ecology of invertebrates

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CA 94720, USA
Physiological ecology and reproductive
biology of estuarine and marine benthic
macroalgae

Westernhagen, H. von, Dr

Biologische Anstalt Helgoland, Notkestr. 31,
W-2000 Hamburg 52, Germany
Effects of pollution on marine communities

Winter, J. E., Dr

Instituto de Zoología, Univ. Austral de Chile,
Casilla 567, Valdivia, Chile
Physiological ecology of invertebrates

PHYSIOLOGICAL MECHANISMS

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Canada V9R 5KR
Resistance to stress including pollution; regu-
lation; adaptation

Batty, R. S., Dr

Dunstaffnage Marine Research Laboratory,
PO Box 3, Oban, Argyll PA34 3AD, Scotland
Behavioral physiology of fish; feeding; pre-
dation of fish larvae

Brown, B. E., Dr

Dept of Biology, The University, Newcastle
upon Tyne NE1 7RU, England
Physiology and ecology of corals

Burton, R. S., Prof.

Univ. of Houston, Dept of Biology, Houston,
Texas 77204-5513, USA
Population genetics; evolutionary mecha-
nisms in populations; biochemical and mole-
cular genetic analyses of invertebrates

Caron, D. A., Dr

Biology Dept, Woods Hole Oceanographic
Institution, Woods Hole, MA 02543, USA
Feeding, respiration and nutrient regenera-
tion of protozoans

Chapman, A. R. O., Prof.

Institut für Meereskunde an der Universität
Kiel, Düsternbrooker Weg 20, W-2300 Kiel 1,
Germany
Physiology and demography of macroalgae

Conover, R. J., Dr

Marine Ecology Laboratory, Bedford Institute
of Oceanography, PO Box 1006, Dartmouth,
N.S., Canada B2Y 4A2
Physiology and biochemistry of zooplankton

Costlow, J. D., Jr, Prof.

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Island, Beaufort, NC 28516, USA
Developmental physiology; endocrinology

Enright, J. T., Prof.

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Diego, PO Box 1529, La Jolla, CA 92093, USA
Biological rhythms

Forward, R. B., Jr, Dr

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Island, Beaufort, NC 28516-9721, USA
Environmental zoo-physiology; behavior;
biological rhythms

Fowler, S. W., Dr

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des Castellans, MC-98000 Monaco
Trace element metabolism

Gerking, S. D., Prof.

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AZ 85281, USA
Fish physiology

Holland, N. D., Prof.

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Diego, PO Box 1529, La Jolla, CA 92093, USA
Comparative, cellular and developmental
physiology

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CSIRO Marine Biochemistry, Building A12,
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Photosynthesis; plankton biochemistry

Levandowsky, M., Dr

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Row, New York, NY 10038, USA
Chemosensory behavior; mathematical mo-
dels

Marinescu, A.-G., Dr

Institute of Biological Sciences, 77748 Bucha-
rest, Str. Splaiul-Independentei 296, Romania
Stress effects on invertebrates

McLusky, D. S., Dr

Dept of Biological Sciences, Univ. Stirling,
Stirling FK9 4LA, Scotland
Osmoregulation in estuarine invertebrates

Naylor, E., Prof.

School of Ocean Sciences, Univ. of Wales,
Menai Bridge, Gwynedd LL59 5EY, Wales,
UK
Behavioural physiology; invertebrate biology

Puiseux-Dao, S., Prof.

Laboratoire de Cytophysiologie végétale et
de Toxicologie cellulaire, Université de Paris
VII, 2, Place Jussieu, F-75251 Paris Cedex 05,
France
Ecophysiology and toxicology of algae; cellu-
lar biology; behavior of algae

Shick, J. M., Prof.
Dept. of Zoology, Univ. of Maine, Murray Hall, Orono, Maine 04469-0146, USA
Physiological energetics of invertebrates; incl. metabolic calorimetry; symbioses; hyperoxia and oxidative stress; effects of UV light; sea anemone biology

Videler, J. J., Dr
Dept of Marine Biology, Univ. of Groningen, PO Box 14, 9750 AA Haren, The Netherlands
Swimming dynamics of plankton; activity pattern and reproductive strategies of fishes; energy budgets of herbivores

West, J. A., Prof.
Dept of Plant Biology, Univ. of California, 111 Genetics Plant Biology Bldg, Berkeley, CA 94720, USA
Chemistry of red algae; molecular genetics of red and green algae

Zhirumsky, A. V., Prof.
Institute of Marine Biology, Academy of Sciences, Vladivostok 690032, Russia
Mechanisms of cellular resistance and control

CULTIVATION

Lawrence, J. M., Prof.
Dept of Biology, Univ. of South Florida, Tampa, FL 33620, USA
Nutrition of invertebrates

Levandowsky, M., Dr
Haskins Laboratories at Pace Univ., 41 Park Row, New York, NY 10038, USA
Microcosm cultures

Meyers, S. P., Prof.
Dept of Food Science, Louisiana State Univ., Baton Rouge, LA 70803, USA
Cultivation of microorganisms and crustaceans; aquaculture; microenvironments

Pandian, T. J., Prof.
School of Biological Sciences, Madurai Kamaraj Univ., Madurai 625 021, Tamilnadu, India
Cultivation of decapods and fishes; bioenergetics

Rheinheimer, G., Prof.
Institut für Meereskunde, Univ. Kiel, Düsterbrookweg 20, W-2300 Kiel, Germany
Cultivation of microorganisms

Winter, J. E., Dr
Instituto de Zoología, Univ. Austral de Chile, Casilla 567, Valdivia, Chile
Cultivation of invertebrates

DYNAMICS

Arndt, E. A., Prof.
Wilhelm-Pieck-Universität Rostock, Sektion Biologie, Freiligrathstr. 7/8, O-2500 Rostock, Germany
Ecological dynamics of brackish waters

Azam, F., Prof.
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Viral and bacterial ecology; microbial biogeochemistry

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Nederlands Instituut voor Onderzoek der Zee, Postbox 59, 1790 AB Den Burg – Texel, The Netherlands
Coral-reef ecology

Banse, K., Prof.
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Biological oceanography; plankton research

Berman, T., Prof.
Kinneret Limnological Laboratory, PO Box 345, Tiberias 14102, Israel
Phytoplankton ecology

Bianchi, A., Dr
C.N.R.S. ER 223, Microbiologie Marine, Campus de Luminy – case 907, 70, route Léon Lachamp, F-13288 Marseille Cedex 9, France
Marine microbiology; ecological dynamics

Birkeland, C., Prof.
Univ. of Guam, Marine Laboratory, UOG Station, Mangilao, Guam 96913
Coral-reef ecology; benthic ecology

Brattegard, T., Dr
Universitetet i Bergen, Institutt for fiskeri-og marin-biologi, Thormøhlens gt. 55, N-5008 Bergen, Norway
Ecology of suprabenthic animals; distribution of crustaceans

Bunt, J. S., Dr
4/6 McDonald Street, Potts Point, NSW 2011, Australia
Mangrove systems; reef studies

Caron, D. A., Dr
Biology Dept, Woods Hole Oceanographic Institution, Woods Hole, MA 02543, USA
Microbial ecology; trophic relations between planktonic protozoans and other heterotrophic and photosynthetic organisms; pelagic detrital aggregates

Chapman, A. R. O., Prof.
Institut für Meereskunde an der Universität Kiel, Düsterbrookweg 20, W-2300 Kiel 1, Germany
Community ecology of rocky shores

Collos, Y., Dr
Centre de Recherche en Ecologie Marine et Aquaculture, B.P.5, L'Houmeau, France
Nitrogen cycling and primary production

Conover, R. J., Dr
Marine Ecology Laboratory, Bedford Institute of Oceanography, PO Box 1006, Dartmouth, N.S., Canada B2Y 4A2
Zooplankton biology

Cushing, D. H., Dr
Ministry of Agriculture, Fisheries and Food, Fisheries Laboratory, Lowestoft, Suffolk NR33 0HT, England
Productivity of the sea; fish-population dynamics; biological oceanography

Elliott, M., Dr
Dept of Applied Biology, Institute of Estuarine and Coastal Studies, The University, Hull HU6 7RX, UK
Structure and function of fish and benthic communities

Fenchel, T., Prof.
Marine Biological Laboratory (University of Copenhagen), DK-3000 Helsingør, Denmark
Population biology; microbial ecology

Field, J. G., Prof.
University of Cape Town, Zool. Dept, Rondebosch 7700, Republic of South Africa
Dynamics of nearshore ecosystems

Foster, M. S., Prof.
Moss Landing Marine Laboratories, California State Univ., PO Box 450, Moss Landing, CA 95039-040, USA
Population and community ecology of macroalgae

Fowler, S. W., Dr
IAEA, ILMR, Stade Louis II, Entrée C-19, Ave des Castellans, MC-98000 Monaco
Particle flux; biogeochemistry

Fuhrman, J., Prof.
Marine Biology Res. Section, Dept of Biological Sciences, Univ. of Southern California, Los Angeles, CA 90089-0371, USA
Planktonic microbial ecology. Productivity and growth of microorganisms, especially bacteria

Furness, R. W., Dr
Department of Zoology, The University of Glasgow, Glasgow G12 8QQ, Scotland
Ecology of sea birds

Furuya, K., Dr
Faculty of Bioreources, Mie University, 1515 Kamihama, Tsu 514, Japan
Phytoplankton ecology; community structure, dynamics

Gage, J. D., Dr
Dunstaffnage Marine Research Laboratory, PO Box 3, Oban, Argyll PA34 4AD, Scotland
Benthos of deep sea and temperate coasts

Gray, J., Prof.
Institutt for Marinbiologi og Limnologi, Univ. Oslo, Postboks 1064, Blindern, Oslo 3, Norway
Soft-sediment ecology

Haedrich, R. L., Prof.
Memorial University of Newfoundland, St. John's, Nfld., Canada A1B 3X9
Zoogeography; natural history of fish

Harding, G. C., Dr
Marine Ecology Laboratory, Bedford Institute of Oceanography, PO Box 1006, Dartmouth, N.S., Canada B2Y 4A2
Crustacean ecology (incl. deep sea)

Heck, K. L., Jr, Dr
Marine Environmental Sciences Consortium, Dauphin Island Sea Lab., PO Box 369-370, Dauphin Island, AL 36528, USA
Benthic ecology, emphasis on seagrass ecosystems

Holm-Hansen, O., Dr
Scripps Inst. of Oceanography, Univ. of California, La Jolla, CA 92093, USA
Polar ecology; chemical oceanography; photosynthesis

Hudon, C., Dr
Halifax Research Laboratory, C.P. 550, Halifax, Nova Scotia, Canada B3J 2S7
Crustacean ecology and biology

Hughes, R. N., Dr
School of Animal Biology, Univ. College North Wales, Bangor, Gwynedd LL57 2UW, Wales, UK
Ecological energetics (particularly feeding)

Karlson, R. H., Prof.
School of Life and Health Sciences Ecology Program, Univ. of Delaware, Newark, Delaware 19716, USA
Population and community ecology of benthic invertebrates

Kjørboe, T., Dr
Danish Institute for Fisheries and Marine Res., Charlottenlund Castle, DK-2910 Charlottenlund, Denmark
Biological oceanography; physical and biological processes in the pelagial with emphasis on copepods and fish larvae

Klumpp, D., Dr
Australian Institute of Marine Science, PMB No. 3, Townsville M. C., Q. 4810, Australia
Trophodynamics; animal nutrition, energy and nutrient budgets; nutrient cycling; primary productivity; fish biology; seagrass, coral reef, kelp bed ecosystems

Kühlmann, D., Dr
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Coral-reef ecology; coral evolution

Landry, M. R., Dr
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Food web interactions; zooplankton ecology

Lawrence, J. M., Prof.
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Reproduction of invertebrates; nutrition

Levandowsky, M., Dr
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Ecological modelling; phytoplankton ecology

Levings, C., Dr
West Vancouver Laboratory, 4160 Marine Drive, West Vancouver, B.C., Canada V7V 1N6
Estuarine ecology of macrobenthos and fish

Lewis, J. B., Dr

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Coral-reef ecology; tropical marine biology

Lewis, M. R., Dr

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Biological oceanography; phytoplankton physiology; modelling of physical and biological processes

Luoma, S. N., Dr

US Dept of the Interior, Geological Survey, Water Resources Div., 345 Middlefield Rd, Menlo Park, CA 94025, USA
Feeding ecology of deposit feeders; geochemistry of trace elements in sediments

Mauchline, J., Dr

Scottish Marine Biological Ass., Dunstaffnage Marine Res. Lab., POB 3, Oban, Argyll PA34 4AD, Scotland
Deep-sea ecology; radioactive pollution

Nelson, D. M., Prof.

College of Oceanography, Oregon State Univ., Oceanography Admin. Bldg. 104, Corvallis, OR 97331, USA
Phytoplankton ecology; nutrient cycling

Neushul, M., Prof.

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Ecology of benthos algae; marine macrophytes

Newell, S. Y., Dr

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Ecology of fungi and bacteria; decomposition

Nybakken, J., Prof.

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Ecology of molluscs; community structure of soft-sediment invertebrates

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Kelp forest ecology; reproductive ecology

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Marine benthic ecology; population biology

Pichon, M., Prof.

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Coral-reef ecology; shallow-water tropical communities

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Phytoplankton ecology; primary production

Purcell, J. E., Dr

The University of Maryland Systems, Center for Environmental and Estuarine Studies, PO Box 775, Cambridge, MD 21613, USA
Zooplankton ecology and behavior; trophic dynamics; prey selection. Competition for space among benthic invertebrates

Reise, K., Dr

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Benthos ecology

Sammarco, P. W., Dr

Louisiana Universities Marine Consortium, Chauvin, LA 70344, USA
Coral-reef ecology; benthic community ecology; ecology of fishes, echinoderms, coelenterates

Savidge, G., Dr

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Phytoplankton ecology; primary production; photosynthesis

Scheltema, R. S., Dr

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Invertebrate larval ecology

Schneider, D. C., Dr

Newfoundland Institute for Cold Ocean Science, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1B 3X7
Dynamics of large organisms; ecology of sea birds

Sherr, B. & E., Drs

College of Oceanography, Oregon State Univ., Oceanogr. Admin Bldg 104, Corvallis, Oregon 97331, USA
Microbial food webs; trophic roles of phagotrophic protozoans

Skjoldal, H. R., Dr

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Food webs and trophic interactions

Southward, A. J., Dr

Plymouth Marine Laboratory, Citadel Hill, Plymouth PL1 2PB, England
Rocky-coast ecosystems; deep-sea ecosystems

Stoecker, D. K., Dr

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Microzooplankton, particularly ciliates; secondary production

Tenore, K. R., Prof.

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Benthic ecology and bioenergetics; production; food chains of detritus-based systems

Thayer, G. W., Dr

Ecosystem Structure Branch, Southeast Fisheries Center, Beaufort, NC 28516-9722, USA
Wetlands ecology, incl. submerged seagrasses and emergent marshes; production and utilization of detritus

Underwood, A. J., Dr

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Experimental intertidal and subtidal ecology; behavior; life cycles of sessile invertebrates

Vinogradov, M. E., Prof.

P. P. Shirshov Institute of Oceanology, Academy of Sciences of USSR, 1, Letnaya (Ljublin), Moscow 109387, Russia
Oceanic plankton ecosystems; deep-sea amphipods; biological oceanography

Wangersky, P. J., Prof.

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Organic matter in sea water; theoretical population dynamics; geochemistry; chemical oceanography

Warwick, R. M., Dr

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Structure and functioning of benthic communities; meiofaunal ecology; energy flow

West, J. A., Prof.

Dept of Plant Biology, Univ. of California, 111 Genetics Plant Biology Bldg, Berkeley, CA 94720, USA
Reproductive dynamics of red algae; fine structure and parasites of algae

Williams, R., Dr

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Plankton ecology; community structure, population dynamics

OCEAN MANAGEMENT**Alderdice, D., Dr**

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Pollution of marine environments

Bernhard, M., Dr

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Radioactive and conventional pollution

Brown, B. E., Dr

Dept of Biology, The University, Newcastle upon Tyne NE1 7RU, England
Effects of man-made and natural disturbances on coral reefs

Bryan, G. W., Dr

Plymouth Marine Laboratory, Citadel Hill, Plymouth PL1 2PB, England
Heavy metal pollution; estuarine chemistry

Eisler, R., Dr

U.S. Dept of the Interior, Fish and Wildlife Service, Laurel, MD 20708, USA
Toxicology and pollution

Elliott, M., Dr

Dept of Applied Biology, Institute of Estuarine and Coastal Studies, The University, Hull HU6 7RX, UK
Marine pollution assessment and control

Fisher, N. S., Dr

Marine Sciences Research Center, State Univ. of New York, Stony Brook, NY 11794-5000, USA
Pollutant effects on plankton; radioecology

Fowler, S. W., Dr

IAEA, ILMR, Stade Louis II, Entrée C-19, Ave des Castellans, MC-98000 Monaco
Pollution effects on zooplankton; radioecology

Gray, J., Prof.

Institutt for Marinbiologi og Limnologi, Univ. Oslo, Postboks 1064, Blindern, Oslo 3, Norway
Pollution effects on benthos animals

Luoma, S. N., Dr

US Dept of the Interior, Geological Survey, Water Resources Div., 345 Middlefield Rd, Menlo Park, CA 94025, USA
Bioaccumulation of trace contaminants (principally trace elements and radionuclide waste products)

Marinescu, A.-G., Dr

Institute of Biological Sciences, 77748 Bucharest, Str. Splaiul-Independentei 296, Romania
Toxicology and stress responses in invertebrates

Mauchline, J., Dr

Scottish Marine Biological Ass., Dunstaffnage Marine Res. Lab., PO Box 3, Oban, Argyll PA34 4AD, Scotland
Radioactive pollution

McLusky, D. S., Dr

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Biological effects of pollutants (petro-, chemical, organic enrichment)

Peterson, C. H., Prof.

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Fisheries management and ecology

Polikarpov, G. G., Prof.

Institute of Biology of South Seas, Academy of Sciences Uk. SSR, 2, Nahimov St., Sevastopol 335000, Ukraine
Chemical ecology, radioecology, radio-tracers, pollution; protection of sea life

Sherman, K., Dr

US Dept of Commerce, NOAA, Northeast Fisheries Center, 28 Tarzwell Dr., Narragansett, RI 02882, USA
Fisheries ecology; fishery resources; zooplankton

Westernhagen, H. von, Dr

Biologische Anstalt Helgoland, Notkestr. 31, W-2000 Hamburg 52, Germany
Fish egg and larval survival

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